

**Project Learning Lab Kits**

Project Learning Lab Kits were developed at The Ohio State University - Curriculum Materials Service. Kits are designed for hands-on learning. They can be used for Project Leader meetings, *Skillathon* practice or in any situation where resource information is needed. The contents of the kit are designed to be clear, concise, and durable.

Information on each kit can be found at:

**http://www.ohio4h.org/projects-publications/learning-lab-kits**

**Eleven** different Learning Lab Kits are available for check-out from the NE Area Extension Office: Beef, Dairy, Dog, Goat, Horse, Lawn Care, Plant Identification, Poultry, Rabbit, Sheep and Swine. Kits are available for a month at a time. To reserve a kit ask your Extension Agent to contact the NE Area Office. To ensure availability, reserve the kit as early as possible.

**General Contents:** Each kit contains an Educator’s Resource Materials Set - This resource contains masters of the learning laboratory kit contents - situation/task statements, charts and diagrams, identification tags, and instructions and an Educators’ Curriculum Guide. All posters, charts, prints, and situation/task statements are laminated for increased durability with answer keys on reverse side. These products may be written on with a water-based marker and then wiped off. Kit includes velcro to adhere identification tags, and zipper pouches for tag storage. Each kit is packaged in a durable canvas carrying case for easy use, storage, and transportation.

 **Components of Each Learning Lab**

***Beef Learning Lab Kit***
The *Beef Learning Lab kit* includes materials and suggestions for activities that cover:ANATOMY: beef body parts
BREEDS: breed images and traitsCONFORMATION: feet and leg structural differencesMEAT CUTS: retail and wholesale meat cut images and body locationsMEDICINE LABELS / INSERTS: parts identification and interpretation, proper injection siteANIMAL HANDLING: safe animal handling and management

***Dairy Learning Lab Kit***The *Dairy Learning Lab Kit* includes materials and suggestions for activities that cover:
ANATOMY: dairy cow body parts, mammary structures
BREEDS: breed images and traits
CONFORMATION: feet and leg structural differences
MEDICINE LABELS / INSERTS: parts identification and interpretation, proper infusion sites
ANIMAL HANDLING: safe animal handling and management

***Dog Learning Lab Kit***The *Dog Learning Lab Kit* includes materials and suggestions for activities that cover:
ANATOMY: dog body parts, skeleton, foot, foot bones, pads, and phalanges
BREEDS: breed images and traits
ANIMAL CARE AND MANAGEMENT: behavioral postures, parasites, muzzling, bathing, nail trimming, lifting, health care, licensing, and records
CONFORMATION: bites, ears, and eyes; feet, pasterns, and stifles; front and rear legs; tails
EQUIPMENT: care and grooming
FACILITY MANAGEMENT: safety and sanitation issues

***Goat Learning Lab Kit***The *Goat Learning Lab Kit* includes materials and suggestions for activities that cover:ANATOMY: dairy and Angora goat body parts, skeletal system, mammary structuresBREEDS: breed images and traitsCONFORMATION: feet and legs, topline, mammary structuresHOOF TRIMMING: hoof parts, tools, trimming techniqueIDENTIFICATION SYSTEMS: reading tattoos, proper tattooing techniques (template)SCORING: junior doe, senior doe, showmanshipMEDICINE LABELS / INSERTS: parts identification and interpretation, proper injection sitesMEAT CUTS: wholesale cuts of Chevon ANIMAL HANDLING: safe animal handling and management

***Horse Learning Lab Kit***The *Horse Learning Lab Kit* includes materials and suggestions for activities that cover:ANATOMY: horse body parts, skeleton, leg, hoof, digestive tract, teeth, reproductive tractsBREEDS: breed images and traitsCONFORMATION: legs - front and side viewsMEDICINE LABELS / INSERTS: parts identification and interpretationANIMAL HANDLING: safe animal awareness, care, and handlingNUTRITION: plant images and descriptions, **feed sample set** TACK AND EQUIPMENT: images and descriptions for general, English, Western, draft, driving, racing tack/equipment

***Lawn Care Learning Lab Kit***The *Lawn Care Learning Lab Kit* includes materials and suggestions for activities that cover:EQUIPMENT: basic equipment and toolsGRASSES: grass plants, cool season grasses, turfgrass growing zonesPESTS AND DISEASES: insect, disease, and weed identification images; insect feeding zonesLAWN CARE: lawn care calendarSEED AND FERTILIZER: bag label parts identification and interpretationSOIL TESTING: soil sample collectionROOTS: root development

***Plant Identification Learning Lab Kit***
The *Plant Identification Learning Lab Kit* includes materials and suggestions for activities that cover:
GENERAL CHARACTERISTICS: plant habit, shape, size, and texture
BARK: bark types and images
STEMS: stem anatomy, types and images
LEAVES: leaf anatomy, types, and images
FLOWERS: flower anatomy, types, and images
FRUIT: fruit types and images
BUDS: identification of scales
BUD AND LEAF ARRANGEMENT: practice activities

***Poultry Learning Lab Kit***The *Poultry Learning Lab Kit* includes materials and suggestions for activities that cover:ANATOMY: poultry body parts for chicken (hen), turkey, duck, goose, and bird combsBREEDS: images and traits for Bantams, large fowl, water fowl, turkeys, and moreMEAT CUTS: images for chicken and turkey meat cutsEGGS: evaluation of exterior/interior quality, cartons, layers, breakout quality, and individual egg shellsCARCASS EVALUATION: carcass images for chicken and turkeyQUALITY ASSURANCE: medication label/insert parts indentification and interpretationEQUIPMENT AND FACILITY MANAGEMENT: brooder, equipment, temperature, arrangement, and animal handling

***Rabbit Learning Lab Kit***The *Rabbit Learning Lab Kit* includes materials and suggestions for activities that cover:
ANATOMY: rabbit body partsBREEDS: images and traits for rabbits and caviesCONFORMATION: legs and hips, tails and earsIDENTIFICATION SYSTEMS: tattooing procedures and techniquesGENETICS AND REPRODUCTION: genetic outcomes, genotypes, alleles, and gender determination at different agesSELECTION AND EVALUATION: images and descriptions for faults and disqualificationsQUALITY ASSURANCE: images and descriptions for ailments and disorders, safe animal handling, caging, and sanitation

***Sheep Learning Lab Kit***
The *Sheep Learning Lab Kit* includes materials and suggestions for activities that cover:
ANATOMY: sheep body parts and skeleton
BREEDS: images and traits
CONFORMATION: feet and leg structure
MEAT CUTS: retail and wholesale cuts of lamb
MEDICINE LABELS/INSERTS: parts identification and interpretation, proper injection sites
ANIMAL HANDLING: safe animal handling and management

***Swine Learning Lab Kit***The *Swine Learning Lab Kit* includes materials and suggestions for activities that cover:
ANATOMY: swine body parts and skeleton
BREEDS: images and traits
IDENTIFICATION SYSTEM: ear notching procedures and techniques
MEAT CUTS: retail and wholesale cuts of pork
MEDICINE LABELS / INSERTS: parts identification and interpretation, proper injection sites
ANIMAL HANDLING: safe animal handling and management



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